

Tank Vessel Stability Matrix

	Cargo	Sub	Route	170 Subpart E	172 Subpart C	172 Subpart D	172 Subpart E	172 Subpart F	172 Subpart G
Non-Self Propelled Vessels (Barges)	Cargo in Table 30.25-1, carried in independent tanks, and is a: (1) LFG, or (2) flammable liquid with Reid vapor pressure > 25 psi	D	All	X	X				
	Cargo listed in Table 30.25-1	D	All	X ^{1,2}					
	Oil (as defined by 33 CFR 157 and G-M letter dated 24 FEB 95)	D	Oceans or G.L	X		X ²			
	Cargo ³ listed in Table 151.05	O	All except Oceans				X		
	Cargo ³ listed in Table 151.05 that is not a NLS ⁴	O	Oceans				X		
	Category A,B, or C NLS listed in Table 1 of Part 153	O	Oceans	X				X ⁵	
Self-Propelled Vessels	Oil (as defined by 33 CFR 157)	D	All	X		X			
	Cargo listed in Table 30.25-1	D	All	X ²					
	Cargo listed in Table 1 of Part 153	O	All	X				X ⁵	
	LFG listed in Table 4 of Part 154	O	All	X					X

Footnotes:

1. Not required for Rivers or Lakes, Bays & Sounds service unless stability questioned by the OCMI.
2. Not required if vessel < 150 GT, unless stability questioned by the OCMI.
3. Cargo not carried in a portable tank regulated under 46 CFR 98.
4. Category D NLS cargoes listed under 46 CFR 151.12-5 are allowed.
5. Not required for (1) Offshore Supply Vessel carrying cargo under 46 CFR 98.31.
 - (2) incinerator vessel regulated under 46 CFR 150
 - (3) vessel carrying cargo under 33 CFR 151
 - (4) vessel carrying cargo in portable tanks regulated under 46 CFR 98.

Notes:

- (1) Any vessel equipped to lift must demonstrate compliance with 46 CFR 173 Subpart B.
- (2) Any barge which carries cargo above the weather deck must demonstrate compliance with 46 CFR 174 Subpart B.
- (3) Inland route definitions:

Rivers:	46 CFR 30.10-61
Lakes, Bays, and Sounds:	46 CFR 30.10-41
Great Lakes:	46 CFR 30.10-33
Ocean:	46 CFR 30.10-45
Coastwise:	46 CFR 30.10-11
Special service voyages:	MSM, Volume IV, Chapter 6, Part F.3.g
Fair weather voyages:	MSM, Volume IV, Chapter 6, Part F.3.i